

CLAIMS

1. A communication station for transmitting audio and video communications comprising:

- 5 a data processor;
- a high bandwidth input device coupled to said data processor;
- a transmission port coupled to said data processor;
- a reception port coupled to said data processor;
- a high bandwidth output display device coupled to said data processor;
- 10 a high/low data display bandwidth selector coupled to said data processor, wherein a data display bandwidth is user selectable;
- a high/low transmission bandwidth selector coupled to said data processor, wherein a transmission bandwidth is user selectable; and
- wherein said high bandwidth output display device displays a bandwidth selected by said
- 15 high/low data display bandwidth selector.

2. A communication station as recited in claim 1, wherein said high bandwidth input device is a video camera.

20 3. A communication station as recited in claim 1, wherein said high bandwidth output device is a monitor.

4. A communication station as recited in claim 1, wherein said data processor is capable of transmitting a high bandwidth communication and a low bandwidth communication.

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5. A communication station as recited in claim 4, wherein said high bandwidth is at least two orders of magnitude greater than said low bandwidth.

6. A communication station as recited in claim 1, wherein said data processor is
5 capable of receiving a high bandwidth communication and a low bandwidth communication.

7. A communication station as recited in claim 6, wherein said high bandwidth communication is at least two orders of magnitude greater than said low bandwidth communication.

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8. A communication station as recited in claim 6, wherein said data processor is capable of displaying communications received at said high bandwidth communication at said lower bandwidth communication.

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9. A communication station as recited in claim 6, wherein said high bandwidth communication is capable of transmitting video communications.

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10. A communication station as recited in claim 6, wherein said low bandwidth communication is capable of transmitting at least one of a representational video communication, a reduced resolution video communication, an audio communication and an abstract representational communication.

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11. A communication station as recited in claim 6, wherein said high bandwidth communication is capable of transmitting audio communications.

12. A communication station as recited in claim 6, wherein said low bandwidth communication is capable of transmitting at least one of a degraded audio communication, a haptic communication and an abstract representational communication.

13. A communication station as recited in claim 1, further comprising a dynamic abstraction filter for converting a high bandwidth communications into a low bandwidth communications.

5 14. A communication station as recited in claim 13, wherein said high bandwidth communications are at least two orders of magnitude greater than said low bandwidth communications.

15. A communication station as recited in claim 13, wherein said high bandwidth communications are at least two orders of magnitude greater than said low bandwidth communications.